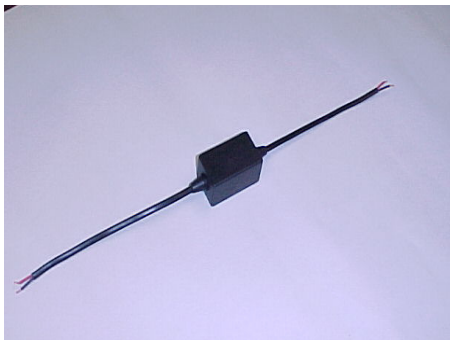
PowerVerter DD24-12 009

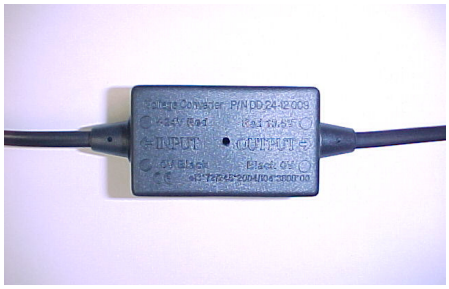
voltage converter

from AlfaTRONIX



The unit has the following key benefits:

- Compact size
- Power rating to 0.7A continuous
- Cool running switch mode design with efficiency typically 85%
- Low quiescent current (<10mA)



Characteristics	
Input Voltage Range	24Vdc nominal (17V-32V)
Output Voltage	13.6Vdc +/- 10%
Continuous Current Rating	13.6V output rated at 0.7A continuous
Transient Voltage Protection	ISO7637-2 International Standard for 24Vdc Commercial Vehicles. (pending)
Electro Static Voltage Protection	ISO10605, ISO14982, >8kV contact, 15kV discharge (pending).
Output Noise	<100mV pk-pk at continuous load
Off load current (quiescent current)	<10mA. If connected to the battery, but not powering any equipment.
Power Conversion Efficiency	Typically 85%
Operating Temperature	-25°C to +30°C. +30°C to +80°C de-rate linearly to 0A
Storage Temperature	-25°C to +100°C
Operating Humidity	95% non-condensing.
Enclosure	Heatshrink Sleeving, Dust and water resistance - IP54
Connections	Flying leads (Brown +ve Blue -ve) Input/output labelled
Weight and Dimensions	Weight: 52g Dimensions 80 (L) x31 (W) x 29 (H) mm
Mounting Method	Fitted as an in line connection. Secure to wiring with tie wraps
Safe Area Protection: • Over Current • Transients • Reverse Connection	 Limited by current sensing circuit Protected by rugged component selection Input blocking diode
Approvals	89/336/EEC The General EMC Directive (pending) 95/54/EC The Automotive EMC Directive (pending) 93/68/EEC The CE Marking Directive (pending)
Markings	CE mark and e marked (pending)

AlfaTRONIX

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